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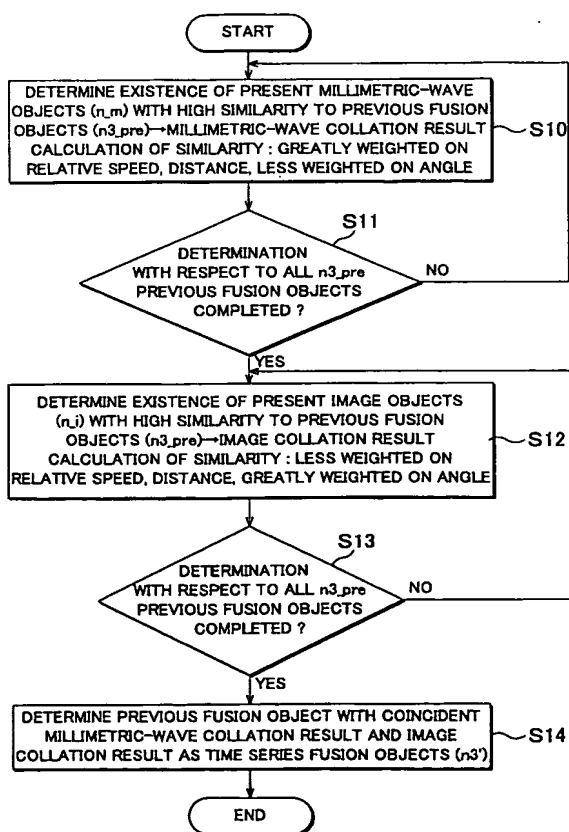(75) **Inventors/Applicants** *(for US only)*: ABE, Kyoichi

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(54) **Title:** OBJECT DETECTION SYSTEM AND OBJECT DETECTION METHOD

(57) **Abstract:** An object detection system includes a radar de-
tection means (2), an image detection means (3), and a collat-
ing means (4). The collating means (4) performs a collation
between an object detected by the radar detection means (2) in
a present collation and an object that has been determined as
being detected by the radar detection means (2) and the image
detection means (3) in a previous collation (S 10, S 11), further
performs a collation between an object detected by the image
detection means (3) in a present collation and an object that has
been determined as being detected by the radar detection means
(2) and the image detection means (3) in the previous collation
(S 12, S 13) when it is determined that the identical object is de-
tected by the radar detection means (2) and the image detection
means (3) in the previous collation. Then the collating means
(4) determines whether the radar detection means (2) and the
image detection means (3) detect the identical object based on
the collations (S 14).

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